

Abstract

A digital content encryption apparatus and method thereof encrypts and transmits the digital content from the digital content transmission system by using the key information, the user key and the temporary validation key, to decrypt and replay the encrypted digital content in the user terminal by using the key information and the user authorization information.

The registered user is provided with a unique key information. The user key is generated by applying the key information to the key generation algorithm and the temporary validation key generated when the registered user accesses the server is encrypted by the user key. The digital contents are encrypted by using the temporary validation key. The decryption algorithm gets the user to decrypt and replay the encrypted digital content by receiving the key information which corresponds one-to-one to the identity characters.